



Tuberculosis Case

February 2012

First Contact

February 3, 2012
(Super Bowl Weekend)



- o Inmate from Mecosta County Jail
 - o Extradited from Las Vegas
- o Arrived in Mecosta County Jail on Jan 11th
- o Became ill on Jan 23rd
- o Transferred to Mecosta County Medical Center

Investigation

Mecosta County Medical Center

- o Arrived on Jan 27th in ER
 - o History and Presenting Symptoms
 - o Work up started & status declined
 - o Transferred to Spectrum Health Blodgett Campus

Investigation

Mecosta County Jail Follow Up

- o Transport Company
- o Mecosta County Jail Employees
- o Attorney
- o Mecosta County Inmates

Investigation

Mecosta County Medical Center Follow Up

- o Emergency Room Staff
- o Ambulance Staff

Multi-Agency Collaboration

- o *Potential* Health Threat to Others (HTTO)– TB Case Study 2012
- o Co-Morbidity TB and HIV/AIDS



Agencies Involved

- o U.S. Marshalls
- o Mecosta County Jail
- o Mecosta County Medical Center
- o Spectrum Health – Blodgett Hospital
- o Kent County Health Department
- o District Health Department 10
- o Michigan Department of Community Health



Timeline



- o February 1, 2012: Reported Case
- o February 2, 2012: Potential HTTO reported to KCHD since client refused all TB medications
- o February 2, 2012 – March 2, 2012: “On Call” 24/7 (Warning Notice prepared and TB staff & legal counsel ready to act)
- o March 2, 2012: Hospital discharge and US Marshalls present and take client into custody (Client leaves Kent County)



Case Details



- o 62 yo male /White/US born
- o Transferred from Mecosta County due to previous PPD + history, cough, fever, chest pain and other symptoms consistent with TB and history of positive for HIV (no antiretroviral medication)
- o Smear positive for AFBs (1/31/12) and culture positive M.TB (2/17/12)
- o Chest Radiology – cavitary lung lesion with hilar adenopathy
- o AIDS dx
- o Started on four drug TB regimen (additional 7 other medications daily)
- o Hx of depression and self admits “cranky” most of the time
- o Smoker for 40 years
- o Esophageal mass 20cm – biopsy recommended
- o Suicide ideation – psychiatry evaluation
- o Firing his doctor and nurses repeatedly
- o Psych-Social: Legal trouble, lonely, & loss of control



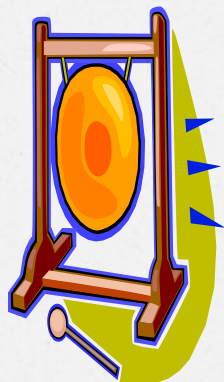
The Call – The magic public health wand...



- February 2: Infectious Disease doctor calls TB supervisor regarding patient's non-compliance with TB medications
- Warning Notice



Let the Games Begin!



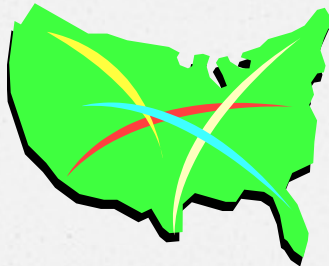
Assets

- Partnerships
- Knowledge
- Experience
- Commitment to public health



Challenges

- Head start
- Clearing isolation and length of hospital care
- US Marshalls
- National contact investigation



Hospital Discharge

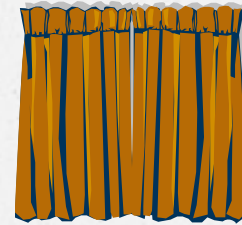
- o March 2, 2012
- o Coordinating care



US Marshalls charge in....



- Never really out of the picture



- DOT nurse coordinated care with US Marshalls

- Contact Investigation



Thank you!

o Recognizing:

KCHD Team:

- Linda VanEck, RN
- Bobby Peacock, RN
- Brandy DeMan
- Sangeeta Ghosh
- Cathy Raevsky
- Dr. Triesenberg

Blodgett Nurses

MDCH

- Peter Davidson
- Noreen Mollon

District Health Department #10

- Richard, RN



Kent County Health Department

o Denise Bryan, MPA

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